

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 05-499-B)

|                                       |   |                            |
|---------------------------------------|---|----------------------------|
| In the Application of:                | ) |                            |
|                                       | ) |                            |
| Dong Gyu Lee                          | ) | Examiner: Lakiya G. Rogers |
| Serial No.: 10/570,114                | ) |                            |
|                                       | ) | Group Art Unit: 3744       |
| Filing Date: November 6, 2006         | ) |                            |
|                                       | ) | Confirmation No.: 5284     |
| For: Compact Thermal Exchange Unit of | ) |                            |
| Thermo-Electric Cooling Mode Using    | ) |                            |
| Heat Pipe                             | ) |                            |

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO THE OFFICE ACTION MAILED JANUARY 13, 2010**

Dear Sir:

The Applicant submits the following amendments and remarks in response to the Office Action mailed January 13, 2010 in connection with the above-identified application.

Amendments to the claims begin on page 2;

Remarks begin on page 5.